



PHOTOGRAPHIC INTERPRETATION REPORT

# KH-4 MISSION IIII IPIR NUMBER I

MISSION IIII-I OAK PART I

23-29 JULY 1970

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#### WARNING

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# TARGET CATEGORIES AND ASSOCIATED NTP FUNCTIONAL AREAS (CODES)

1. STRATEGIC SSM

Deployed Strategic SSM Facilities (A)

2. MISSILE RANGES

Missile Ranges: Strategic SSM/Space Facilities (P) Missile Ranges: Air-Launched Missile Facilities (Q) Missile Ranges: Naval-Launched Missile Facilities (R) Missile Ranges: Tactical SSM Facilities (S)

Missile Ranges: Tactical SSM Facilities (S Missile Ranges: SAM/AMM Facilities (T)

3. AIR DEFENSE MISSILES

Deployed AMM Facilities (B)
Deployed SAM Facilities (D)

4. ELECTRONICS/COMMUNICATIONS

Deployed Communication/Electronic/Radar Facilities (C)

5. AIR

Air Base Facilities (E)

6. NAVAL

Naval Base Facilities (F)

7. GROUND

**Ground Force Facilities (G)** 

8. TACTICAL SSM

Deployed Tactical SSM Facilities (H)

9. LOGISTICS

Military Logistics Facilities (K)

10. NUCLEAR ENERGY

Atomic Energy Facilities (0)

11. CBR

CBR Facilities (V)

12. INDUSTRY

Strategic Weapons Industrial Facilities (J)

General Purpose Weapons Industrial Facilities (L)

Non -Military Industrial Facilities (N)

Communication/Electronic/Radar R&D Facilities (U)

13. MISCELLANEOUS

Non-Military Logistics Facilities (M)
Miscellaneous/Unidentified Facilities (Z)

These thirteen target categories are compatible with the Functional Area of Imagery Interpretation established under the National Tasking Plan. To enhance the analysis of readout on operationally associated targets, each target is reported relative to its primary functional association (i.e., missile range tracking facilities are reported under "MISSILE RANGES," fly-away airfields at aircraft plants are reported under "INDUSTRY," airfield nuclear weapons storage facilities are reported under "AIR," etc.).

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TCS-20321/70 - IPIR 1 KH-4 MISSION 1111-1

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TCS-20321/70 - IPIR 1 KH-4 MISSION 1111-1 PREFACE

### PREFACE

THIS IS THE FIRST OF SEVERAL OAK REPORTS ON MISSION 1111-1 AND PROVIDES INFORMATION ON THE 1A AND 1B PRIORITY COMIREX TARGETS OBSERVED ON PHOTOGRAPHY.

TARGETS IN THIS REPORT ARE SEQUENCED ALPHABETICALLY WITHIN THE 13 TARGET CATEGORIES ESTABLISHED BY COMIREX. A LISTING OF THE TARGET CATEGORIES APPEARS ON THE INSIDE FRONT COVER OF THIS REPORT. TARGETS ARE FURTHER SEQUENCED BY COUNTRY AND DIVIDED INTO TWO SECTIONS -- SIGNIFICANT RESULTS AND OTHER RESULTS.

THE SIGNIFICANT RESULTS SECTIONS INCLUDE NEW TARGETS, PERISHABLE ITEMS, AND TARGETS WHICH REFLECT CHANGE AND/OR ORDER OF BATTLE. ALL REMAINING TARGETS ARE INCLUDED IN THE OTHER RESULTS SECTION.

A CUMULATIVE INDEX WILL BE PUBLISHED AT THE CONCLUSION OF EACH OAK REPORTING PHASE. ANOTHER CUMULATIVE INDEX WILL BE PUBLISHED AT THE CONCLUSION OF THE OAK SUPPLEMENT PHASE. TARGETS WHICH CAN BE IDENTIFIED ONLY WILL BE PUBLISHED SEPARATELY UPON COMPLETION OF MISSION READOUT.

FOR EXPLANATION OF PREFIXES AND CODES USED IN THIS REPORT, SEE THE NATIONAL STANDARD MESSAGE FORMAT FOR ELECTRICAL TRANSMISSION OF FIRST- AND SECOND-PHASE EXPLOITATION (COMIREX-D-31.2/11, 1ST REVISION, JANUARY 1969 AND TCS-8264/68, JUNE 1968, THE SUPPLEMENT TO COMIREX-D-31.2/11).

THE ORDER OF BATTLE REPORTED IS CONFIRMED UNLESS OTHERWISE QUALIFIED AS PROBABLE (PROB) OR POSSIBLE (POSS). ORDER OF BATTLE COUNTS WHICH REPRESENT ABSOLUTE TOTALS OR WHERE NO ORDER OF BATTLE IS PRESENT, ARE SUPPORTED BY A STATEMENT IN THE REMARK (RMK) SECTION OF THE TARGET INVOLVED.

RECIPIENTS ARE CAUTIONED THAT THE INITIAL SCAN OF PHOTOGRAPHY IS ACCOMPLISHED IN A SHORT TIME AND PRIOR TO FINAL REFINEMENT OF EPHEMERIS DATA. CONSEQUENTLY, FUTURE ANALYSIS MAY RESULT IN ADDITIONAL INFORMATION. MOREOVER, RECIPIENTS ARE CAUTIONED THAT THE IDENTIFICATION OF TARGETS IS BASED PRIMARILY ON PHOTOGRAPHY AND DOES NOT CONSTITUTE A FINISHED INTELLIGENCE JUDGMENT.

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TCS-20321/70 - IPIR 1 KH-4 MISSION 1111-1 HIGHLIGHTS

25X1A

MISSION HIGHLIGHTS

USSR

PROBABLE THIRD PROTOTYPE KAZ-A SEEN

THE PROBABLE THIRD PROTOTYPE KAZ-A, THE NEW SOVIET VARIABLE-GEOMETRY WING BOMBER, WAS OBSERVED AT KAZAN AIRFRAME PLANT GORBUNOV 22, USSR THE OTHER TWO KAZ-A PROTOTYPES WERE SEEN AT RAMENSKOYE FLIGHT TEST CENTER

25X1A

25X1A

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TCS-20321/70 - IPIR 1 KH-4 MISSION 1111-1 CHINA, COMMUNIST INDUSTRY

### SIGNIFICANT RESULTS

25X1D

W<u>U-KUNG AFLD</u>

NAC

25X1A

STATUS: OPERATIONAL

**ASSOCIATED OBJECTS:** 

13 BADGER

3 BEAGLE 12 BULL 2 FARMER

2 FAGOT/FRESCO

1 COLT

25X1D

25X1D

25X1D

OTHER RESULTS-NO APPARENT CHANGE

25X1D

25X1D

SHEN-YANG AIRFRAME PLT 112

STATUS: OPERATIONAL

25X1A

25X1A

REMARKS:

POOR INTERPRETABILITY AND CLOUD COVER PREVENTED A READOUT OF THE PLANT AREA. AIRCRAFT WERE PRESENT AT THE TEST AND FLY AWAY FIELD BUT POOR INTERPRETABILITY PREVENTED THE DETERMINATION OF NUMBER AND TYPE.

25X1D

3

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UNITED ARAB REPUBLIC INDUSTRY

SIGNIFICANT RESULTS

HULWAN AFLD

25X1A

25X1D

\*25X1D

STATUS: OPERATIONAL

25X1A

REMARKS:

A LARGE AMOUNT OF MATERIALS WAS OBSERVED ON THE PARKING APRONING IN FRONT OF THE MAIN HANGAR. THIS WAS THE AREA WHERE DUMMY AIRCRAFT WERE BEING ASSEMBLED ON

ASSOCIATED OBJECTS:

25X1D

2 MEDIUM STRAIGHT-WING

25X1D

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KOREA, NORTH AIR BASE FACILITIES

SIGNIFICANT RESULTS 25X1D HWANGJU AIRFIELD -25X1D NAC 25X1A STATUS: OPERATIONAL AIR ORDER OF BATTLE: 18 SMALL SWEPT/DELTA-WING (AT LEAST) 25X1D 25X1D PYONGYANG AIRFIELD EAST 25X1D NAC 25X1A STATUS: OPERATIONAL AIR ORDER OF BATTLE: 8 PROB CAB 2 SMALL POSS HELICOPTERS 5 PROB COLT 25X1D 25X1D SONDONG-NI AIRFIELD 25X1D NAC STATUS: OPERATIONAL 25X1A AIR ORDER OF BATTLE: 6 SMALL PROB AIRCRAFT (AT LEAST) 25X1D

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TCS=20321/70 - IPIR 1 KH=4 MISSION 1111-1 KOREA, NORTH AIR BASE FACILITIES

25X1D SUNAN-UP AIRFIELD 25X1D NAC 25X1A STATUS: OPERATIONAL AIR ORDER OF BATTLE: 1 PROB COOT 1 PROB CRATE 13 LIGHT STRAIGHT-WING 1 PROB COKE 25X1D 25X1D 25X1A WONSAN AIRFIELD 25X1D 25X1A STATUS: OPERATIONAL

REMARKS:

A NORTH/SOUTH RUNWAY/TAXIWAY AT LEAST 2,000 METERS (6,560 FEET) LONG IS UNDER CONSTRUCTION FROM A POINT SOUTH OF THE FIELD ADJACENT TO THE CONSTRUCTION SITE OF TWO UNDERGROUND AIRCRAFT STORAGE HANGARS TO A POINT WEST OF AND NEAR THE MIDPOINT OF THE ACTIVE RUNWAY. AN ADDITIONAL 330 METERS (1,100 FEET) OF CONSTRUCTION ACTIVITY SUGGEST THAT THE RUNWAY/TAXIWAY MAY BE EXTENDED ACROSS THE ACTIVE RUNWAY.

AIR ORDER OF BATTLE: 45 SMALL SWEPT-WING

25X1D

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TCS-20321/70 - IPIR 1 KH-4 MISSION 1111-1 KOREA, NORTH NAVAL BASE FACILITIES

SIGNIFICANT RESULTS

25X1D

• 25X1D

WONSAN PORT FACILITIES
NAC

STATUS: OPERATIONAL

NAVAL ORDER OF BATTLE: 3 SMALL VESSELS

25X1A

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SOVIET UNION MISSILE RANGES

### SIGNIFICANT RESULTS

25X1D AKHTUBINSK FLIGHT TEST CENTER 25X1D 25X1A 25X1A STATUS: OPERATIONAL REMARKS: TWO FOXBAT WERE OBSERVED, ONE IN THE ASM SUPPORT COMPLEX (BE 25X1A AND ONE ON THE PARKING APRON JUST OUTSIDE THE AAM 25X1A SUPPORT COMPLEX CONSTRUCTION WAS CONTINUING ON THE SUPPORT BUILDINGS, AND THE MAIN PARKING APRON WAS STILL BEING RESURFACED. 25X1D 25X1D AKHTUBINSK/VLADIMIROVKA AAM SUPP CPLX 25X1D 25X1A 25X1A STATUS: OPERATIONAL REMARKS: CONSTRUCTION WAS CONTINUING ON THE THREE NEW BUILDINGS. A NEW WALLED AREA CONTAINING EXCAVATIONS FOR THREE BUILDINGS WAS UNDER CONSTRUCTION ADJACENT TO THE NE CORNER OF THE COMPLEX. AIR ORDER OF BATTLE: 2 FIDDLER 2 SMALL SWEPT/DELTA-WING 25X1D 25X1D AKHTUBINSK/VLADIMIROVKA AAM + ASM STOR 25X1D STATUS: OPERATIONAL 25X1A ASSOCIATED OBJECTS: 25 ASM SHIPPING CRATES (AT LEAST)

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TCS-20321/70 - IPIR KH-4 MISSION 1111-1

SOVIET UNION MISSILE RANGES

25X1D

25X1D

AKHTUBINSK/VLADIMIROVKA AIRFIELD

25X1D

STATUS: OPERATIONAL

25X1A

REMARKS:

RESURFACING OF THE MAIN PARKING APRON WAS CONTINUING. THE TWO BUILDINGS IN THE SE END OF THE SUPPORT AREA WERE STILL UNDER CONSTRUCTION.

AIR ORDER OF BATTLE:

5 BLINDER

15 BADGER (1 WITH

CAMOUFLAGE PAINT)

3 FIDDLER

1 FOXBAT

1 CAMEL

PROB CAMEL

2 CAT/CUB 7 CRATE

5 CAB

43 SMALL SWEPT/DELTA-WING

5 LIGHT STRAIGHT-WING

1 SMALL STRAIGHT-WING

9 PROB MEDIUM HELICOPTERS

25X1D

AKHTUBINSK/VLADIMIROVKA AREA AIRFIELD

25X1D

25X1A

25X1D

STATUS: OPERATIONAL

**REMARKS:** CONSTRUCTION WAS CONTINUING ON THE NEW ROAD LEADING TO THE MAIN AIRFIELD.

25X1A

AIR ORDER OF BATTLE:

2 BEAR

7 BADGER

16 SMALL SWEPT/DELTA-WING

13 LIGHT STRAIGHT-WING

25X1D

11

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TCS-20321/70 - IPIR 1 KH-4 MISSION 1111-1 SOVIET UNION MISSILE RANGES

25X1D ,

25X1D

AKHTUBINSK/VLADIMIROVKA ASM SUPP CPLX

STATUS: OPERATIONAL

25X1A

REMARKS:

THE NEW BUILDING IN THE WEST SECTION OF THE COMPLEX APPEARED TO BE COMPLETE.

AIR ORDER OF BATTLE:

1 BEAR

1 FOXBAT

2 BLINDER

2 SMALL SWEPT/DELTA-WING

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SOVIET UNION AIR DEFENSE MISSILES

SIGNIFICANT RESULTS

LENINGRAD SA-5 LAUNCH CPLX SEARCH AREA

59-55-//N 030-20-//E

25X1D

25X1A

25X1A

STATUS: UNKNOWN

REMARKS:

NO NEW ABM, SAM, OR ELECTRONICS FACILITIES WERE OBSERVED. THE SEARCH IS CONTINUING.

25X1D

MOSKVA ABM SEARCH AREA

55-45-//N 037-37-//E

25X1A

25X1D

STATUS: UNKNOWN

REMARKS:

NO ABM ACTIVITY WAS OBSERVED IN THE CLOUD-FREE AREAS. THE SEARCH IS CONTINUING.

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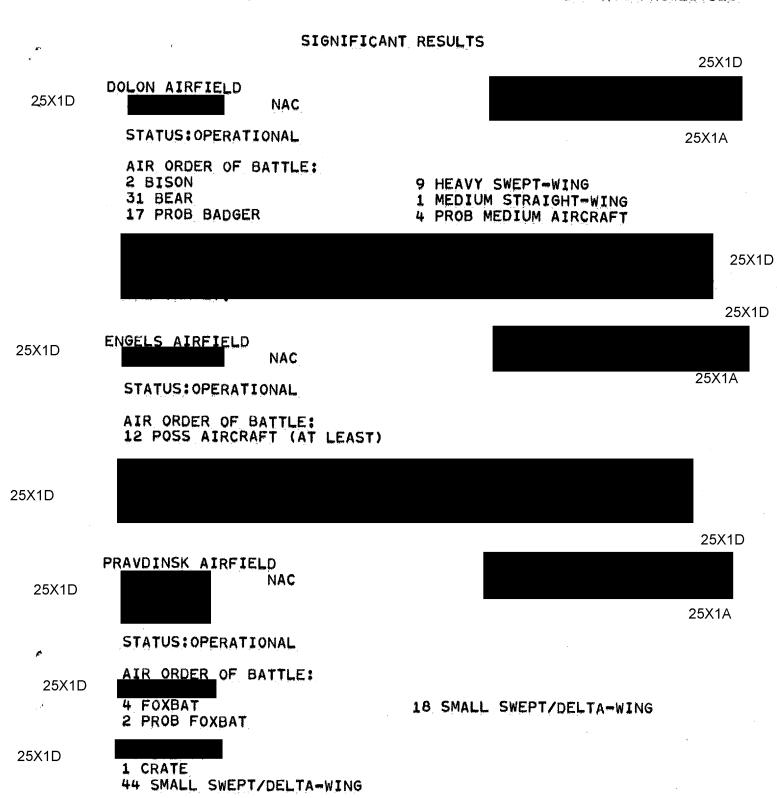
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SOVIET UNION AIR BASE FACILITIES



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SOVIET UNION AIR BASE FACILITIES

(AT LEAST)

25X1D

4 FOXBAT

1 CRATE

1 COLT

30 SMALL SWEPT/DELTA-WING (AT LEAST)

25X1D

25X1D

25X1D

UZIN/CHEPELEVKA AIRFIELD NAC

STATUS: OPERATIONAL

AIR ORDER OF BATTLE: 38 PROB BEAR

25X1D

ZHITOMIR/SKOMOROKHI AIRFIELD
NAC

25X1D

c

STATUS: OPERATIONAL

AIR ORDER OF BATTLE:

34 BLINDER

29 BADGER

10 PROB FISHPOT

4 PROB FAGOT/FRESCO

2 CRATE

25X1A

25X1A

25X1D

2 CAB

1 PROB COLT

1 CREEK

1 HOOK

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SOVIET UNION AIR BASE FACILITIES

25X1D

OTHER RESULTS-NO APPARENT CHANGE

25X1D

25X1D ROMANOVKA AIRFIELD WEST

STATUS: OPERATIONAL

AIR ORDER OF BATTLE: NONE DISCERNIBLE

25X1D

25X1A

HANDO WOVED FOR Release 2000/04/17 OCIASE OF TOTAL ACCORDED TO A SECOND STATE OF TOTAL ACCORDED TO A S

TCS-20321/70 - IPIR 1 KH-4 MISSION 1111-1 SOVIET UNION GROUND FORCE FACILITIES

SIGNIFICANT RESULTS

25X1D

25X1D

ZHITOMIR ARMY BARRACKS WEST AL 3
NAC

STATUS: OCCUPIED

25X1A

GROUND FORCE ORDER OF BATTLE: 25 VEHICLES OR PIECES OF EQUIPMENT (AT LEAST)

25X1D

18

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SOVIET UNION INDUSTRY

SIGNIFICANT RESULTS

25X1D KAZAN AIRFRAME PLANT GORBUNOV 22 NAC 25X1D 25X1A STATUS: OPERATIONAL REMARKS: THE PROBABLE THIRD KAZ-A PROTOTYPE WAS OBSERVED UNDERGOING 25X1D GROUND TESTS ON THE MAIN PARKING APRON ON THIS IS APPARENT BECAUSE OF NUMEROUS PIECES OF GROUND EQUIPMENT LOCATED NEXT TO THE PLANE. ASSOCIATED OBJECTS: 25X1D 1 KAZ-A 3 BADGER 8 BLINDER 6 CAB 25X1D 25X1D LUKHOVITSY AFLD NAC 25X1D 25X1A STATUS: OPERATIONAL REMARKS: FOR AIRCRAFT AND OBJECT COUNT, SEE LUKHOVITSY AIRFRAME PLANT 25X1A r 25X1D

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SOVIET UNION INDUSTRY

25X1D LUKHOVITSY AIRFRAME PLT 25X1A 25X1D 25X1A STATUS: OPERATIONAL REMARKS: TWO SEMIBURIED POL STORAGE TANKS WERE UNDER CONSTRUCTION EAST OF THE POL STORAGE AREA. ASSOCIATED OBJECTS: 25X1D 3 FLOGGER 2 SMALL STRAIGHT-WING 1 POSS FLOGGER 66 FISHBED SHIPPING CRATES 20 SMALL DELTA-WING (AT LEAST) 3 BEAGLE 24 COMPONENT SHIPPING 1 CAMEL CRATES (AT LEAST) 25X1D 25X1D NIKOLAYEV SHPYD NORTHERN 61 KOMMUNA445 25X1D NAC STATUS: OPERATIONAL 25X1A NAVAL ORDER OF BATTLE: 1 445-B CLG 1 DD 1 KASHIN DLG IN FLOATING 1 POSS AUXILIARY DOCK 1 RIVER VESSEL 2 POSS KASHIN DLG 3 SMALL VESSELS 1 POSS DLG 2 FLOATING CRANES 25X1D 25X1D PETROVKA NAVAL BASE + SHIPYARD 25X1D 25X1A 25X1A STATUS: OPERATIONAL

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SOVIET UNION INDUSTRY

**REMARKS:** 

CONSTRUCTION WAS CONTINUING ON BUILDINGS IN THE NORTH QUAY AREA AND ON THE ARTIFICIAL ISLAND. THE NEW REPAIRWAY SHED WAS STILL BEING ROOFED AND THE AREA ADJACENT TO THE TRANSVERSER WAS STILL BEING GRADED.

NAVAL ORDER OF BATTLE:

- 2 PROB E-II SSGN ON REPAIRWAYS 1 AND 3
- 1 PROB N SSN ON REPAIRWAY 2
- 1 PROB SS IN TRANSPORTER DOCK
- 1 LARGE SS AT THE SOUTH
- 1 DD
- 1 202A AEM/ASL
- 3 AUXILIARIES
- 2 PROB YRSN
- 14 UNIDENTIFIED SMALL VESSELS (4 ON REPAIRWAYS)
- 1 FLOATING CRANE

25X1D

### OTHER RESULTS-NO APPARENT CHANGE

25X1D

25X1D

GORKIY AIRFRAME PLANT ORDZHONIKIDZE 21
NAC

20,(12

STATUS: OPERATIONAL

25X1A

REMARKS:

THE NUMBER AND TYPE OF AIRCRAFT PRESENT AT GORKIY/SORMOVO AIRFIELD WAS INDETERMINABLE.

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